

Automatic Cleveland Open Cup Flash Point Tester

This automatic Cleveland open cup flash point tester is designed to determine the flash point and fire point of petroleum products with flash points higher than 79 °C. It automates heating and test flame application to precisely detect the temperature at which vapor ignites.



Overview

Automated Flash Point Testing

This Automatic Cleveland Open Cup Flash Point Tester is designed to streamline the determination of flash points for petroleum products. It features a user-friendly LCD interface with menu-driven operation, allowing for the pre-setting of test parameters such as expected flash point, sample number, and barometric pressure. The instrument automates critical steps, including lid opening, flash point detection, data printing, and test arm movement, ensuring consistent and reliable results.

Technical Specifications

Temperature Measurement Range	400 °C
Temperature Accuracy	0.1 °C
Repeatability	8 °C
Reproducibility	17 °C
Power Supply	AC220V (-10% to +5%), 50Hz
Total Power Consumption	400 W

Operational Environment

Ambient Temperature Range	10 to 40 °C
Max Relative Humidity	80 %

Design & Dimensions

Overall Dimensions	410 x 360 x 310 mm
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Key Features

Automation Capabilities

- Automatic atmospheric pressure calibration
- Automatic lid opening
- Automatic flash point detection
- Automatic test arm operation
- Automatic data printing

Standards Compliance	GB/T3536, ASTM D92
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